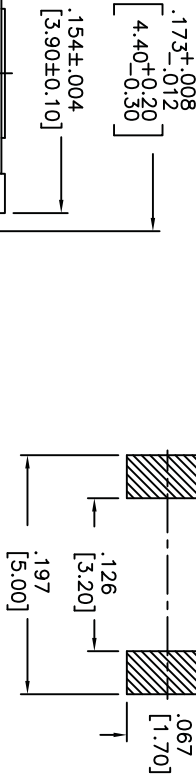
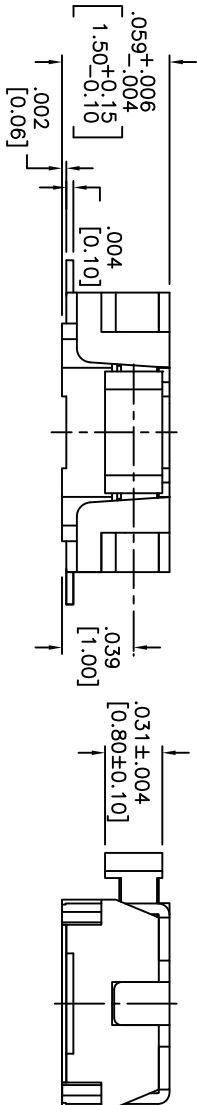
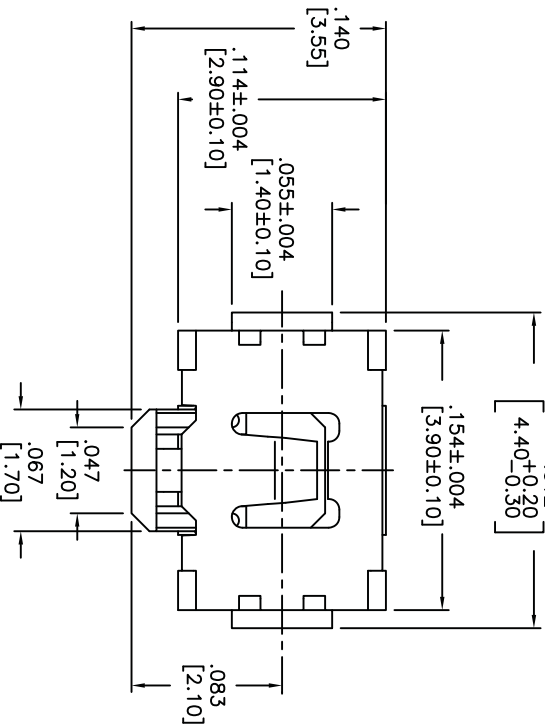


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HATCHED AREA SHOWS SOLDERING LAND.
P.C.B. LAYOUT
UNLESS OTHERWISE SPECIFIED
ALL P.C. TOLERANCES ARE ±.002 [0.05]



DATE	SYM	REVISION RECORD	DWN.	CK.
5/08	A	ECO# 778	CD	PD

DESCRIPTION: SIDE PUSH
MECHANICAL CONTACT SWITCH.
SPECIFICATIONS:
OPERATION FORCE: 220± 65gf

STROKE: 0.24±0.08mm

OPERATION TEMP.: -25°C TO +70°C.

STORAGE TEMP.: -30°C TO +80°C.

ELECTRICAL LIFE: 100,000 CYCLES.

RATING: 50mA, 12VDC.

CONTACT RESISTANCE: 100mΩ MAX.

INSULATION RESISTANCE: 100MΩ MIN. AT 100VDC.

DIELECTRIC STRENGTH: 100VAC/1 MINUTE.

CONTACT ARRANGEMENT: 1 POLE 1 THROW.

VIBRATION TEST: PASSED METHOD 201A

MIL-STD-202F.

SHOCK TEST: 50G PER METHOD 213B CONDITION A OF MIL-STD-202F

MATERIALS:

COVER: STAINLESS STEEL

BASE: LCP HIGH-TEMP. THERMOPLASTIC.

COLOR, WHITE.

STEM: LCP HIGH-TEMP. THERMOPLASTIC.

COLOR, BLACK.

CONTACT DISK: STAINLESS STEEL

WITH SILVER CLADDING

TERMINAL: BRASS WITH SILVER PLATING

PACKAGING: TAPE AND REEL

(3,500 PIECES PER REEL)

ROHS COMPLIANT

LEAD FREE SOLDERING COMPATIBLE

HAND SOLDERING: 320°C MAX WITH 30 WATT IRON

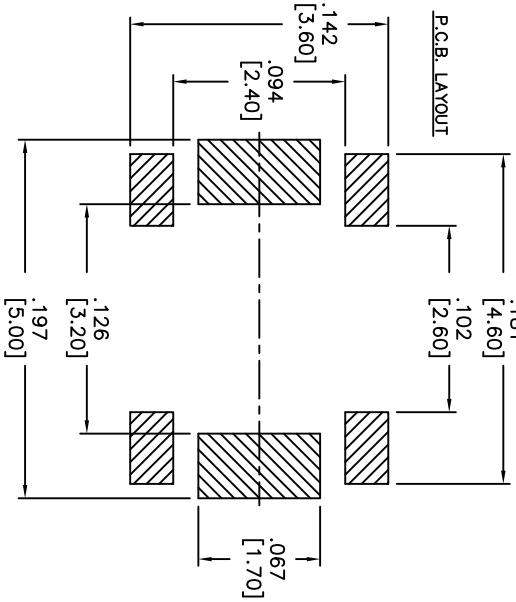
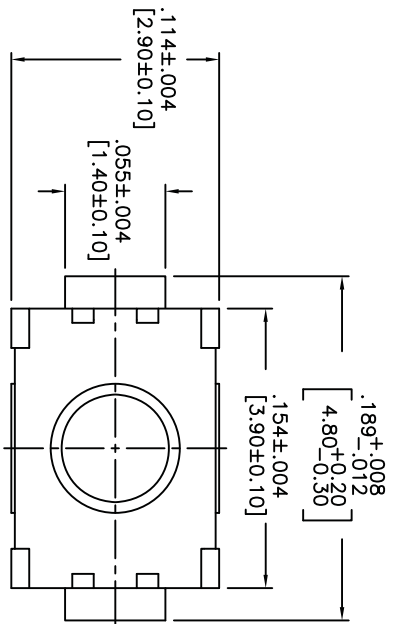
FOR 2 SECONDS

IR REFLOW: 260°C MAX

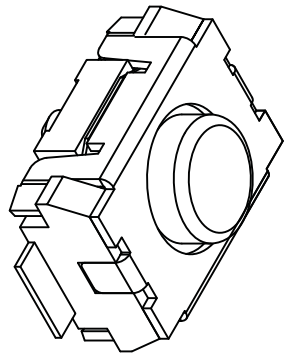
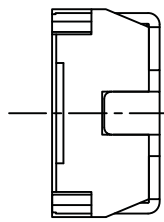
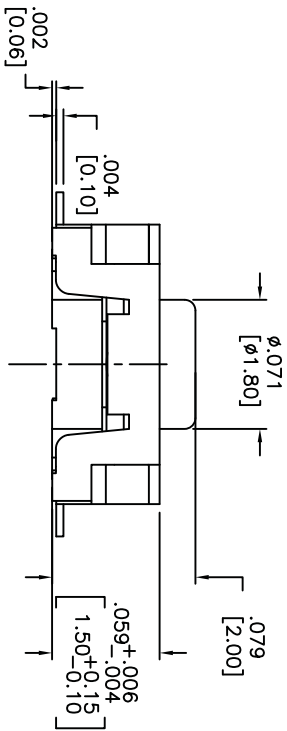
CUSTOMER PART NO.: 263262

Q.A. INSPECT	DESIGNER'S INITIAL	TOLERANCES (UNLESS OTHERWISE SPECIFIED)	DATE	DRAWING NO.	REV
APDM	63 Neck Rd. Hopewell, VA 21855	XXX=±.02[0.5] XXX=±.008[0.20] XXX=±.0008[0.02] ANGLE = ±0.5°	7/31/06	AMPTFVTR	A

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HATCHED AREA SHOWS SOLDERING LAND



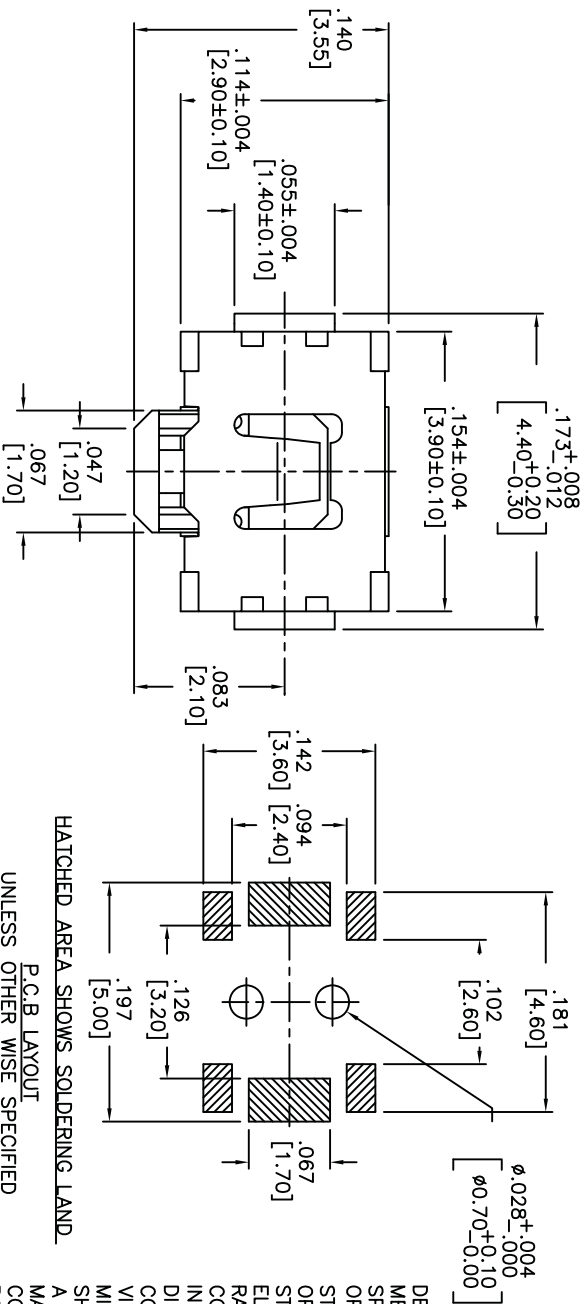
CIRCUIT

DATE	SYM	REVISION	RECORD	DWN.	CK.
5/08	B	ECO# 778		CD	PD

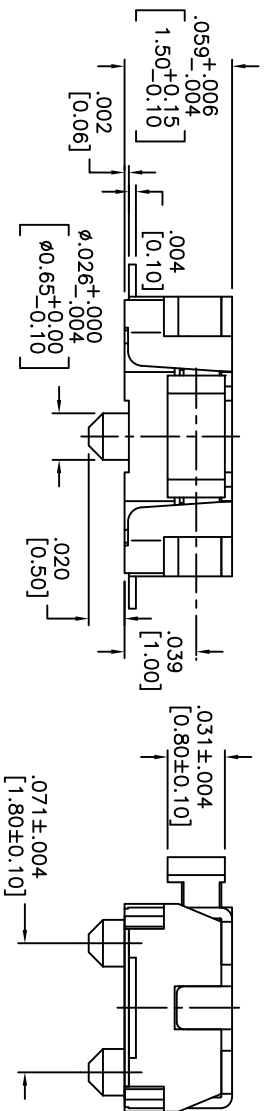
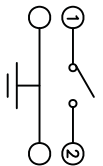
DESCRIPTION: VERTICAL PUSH MECHANICAL CONTACT SWITCH.
SPECIFICATIONS:
OPERATION FORCE: 160±50gf
OPERATION TEMP.: -25°C TO +70°C.
STORAGE TEMP.: -30°C TO +80°C.
ELECTRICAL LIFE: 100,000 CYCLES.
RATING: 50ma, 12VDC.
VIBRATION RESISTANCE: PASSES METHOD 201A MIL-STD-202F
SHOCK RESISTANCE: 50G PER METHOD 213B MIL-STD-202F
CONTACT RESISTANCE: 100mΩ MAX.
INSULATION RESISTANCE: 100MΩ MIN. AT 100VDC.
DIELECTRIC STRENGTH: 100VAC/1 MINUTE.
CONTACT ARRANGEMENT: 1 POLE 1 THROW.
MATERIALS:
COVER: STAINLESS STEEL
BASE: LCP HIGH-TEMP. THERMOPLASTIC.
COLOR: WHITE.
STEM: LCP HIGH-TEMP. THERMOPLASTIC.
COLOR: BLACK
CONTACT DISK: STAINLESS STEEL WITH SILVER CLADDING
TERMINAL: BRASS WITH SILVER PLATING
TAPE: TEFLON.
TAPE & REEL PACKAGING, 2,000 PER REEL
SOLDERING: HAND SOLDERING: 30 WATT IRON AT 320°C FOR 2 SECONDS
IR REFLOW: 240°C MAX
RoHS COMPLIANT

Q.A. INSPECT:	DESIGNATES CRITICAL DIMENSION	TOLERANCES (UNLESS AS NOTED) XX±.XX[0.X] XXX±.XXX[0.XX] ANGLE = 40.5°	DATE 2/4/08	DRAWING NO. AMPTFGP2VTR	REV B
		63 Neck Rd. Haverhill, MA 01830 Phone: 978-372-3534 Fax: 978-372-3534	PRN. CJD BR: PJD		
TITLE VERTICAL PUSH TACT SWITCH		THIRD ANGLE PROJECTION			

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HAICHD AREA SHOWS SOLDERING LAND
P.C.B LAYOUT
UNLESS OTHER WISE SPECIFIED
ALL P.C TOLERANCES ARE ± 0.02 [0.05]

CIRCUIT

DATE	SYM	REVISION RECORD	DWN.	CK.
01/06	A	ECO # 526	CD	PD
5/08	B	ECO# 778	CD	PD

DESCRIPTION: SIDE PUSH MECHANICAL CONTACT SWITCH.

SPECIFICATIONS:

OPERATION FORCE: 220± 65gf

STROKE: $0.2^{+0.10}_{-0.05}$ mm

OPERATION TEMP.: -25°C TO +70°C.

STORAGE TEMP.: -30° TO +80°.

ELECTRICAL LIFE: 100,000 CYCLES

RATING: 50mA. 12VDC

CONTACT RESISTANCE: 100mΩ MAX.

INSULATION RESISTANCE: 100MΩ MIN AT

INSULATION RESISTANCE: 100MΩ MIN. AT DIELECTRIC STRENGTH: 100VAC/1 MINUTE

DIELECTRIC STRENGTH: 100VAC/1 MINUTE.
CONTACT ARRANGEMENT: 1 POLE 1 THROW

VIBRATION TEST: BASED METHOD 201A

VIBRATION TEST
MIL-STD-202E

SHOCK TEST: 500 REP METHOD 213B CONDITION

SHOCK TEST: 50G P
A OF MIL STD 202EA OF MIL-
MATERIALS.

MATERIALS:
COVER, STAINLESS STEEL

COVER: STAINLESS STEEL
BASE: 100% THERMOPLASTIC

BASE: LCP HIGH-TEMP
COLOR: WHITE

COLOR, WHITE.

STEM: LCP HIGH-TEMP. THERMOPLASTIC.

COLOR, BLACK.

CONTACT DISK: STAINLESS STEEL

WITH SILVER CLADDING

TERMINAL: BRASS WITH SILVER PLATING

PACKAGING: TAPE AND REEL

(3,500 PEICES PE

ROHS COMPLIAN

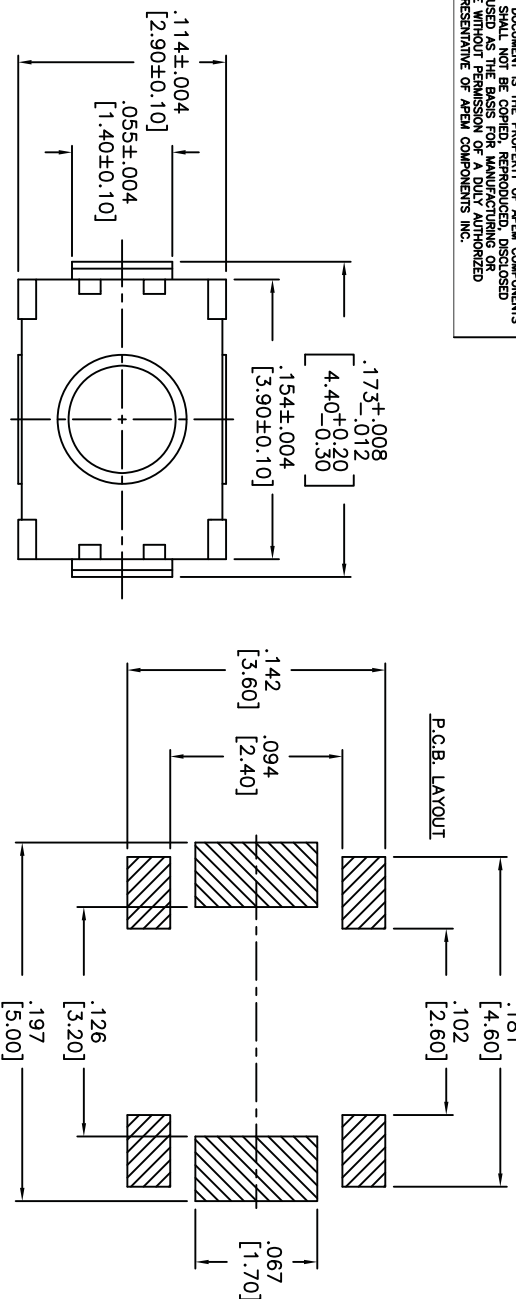
HAND SOLDERING: 320°C MAX WITH 30 WATT IRON

FOR 2 SECONDS

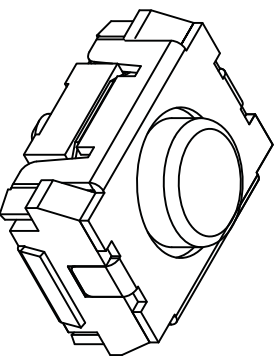
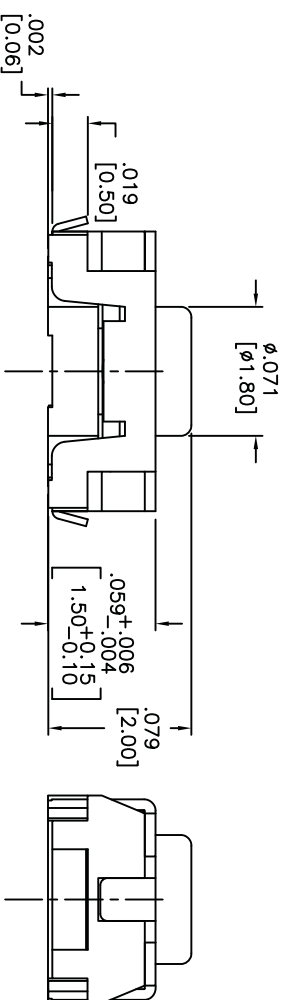
IR REFLOW: 240°C MAX

0A. INSECT  DESIGNATES CRITICAL DIMENSION				03 NEEL RD. RD. 01935 Tel: 978-372-1807 Fax: 978-372-3534		DRN. CJD BR: PD CHK: PD					
TO TOLERANCES (EXCEPT AS NOTED) .XX $\pm$.02(0.5) .XX $\pm$.008(0.20) .XXX $\pm$.0008(0.02) ANGLE = $\pm$ 0.5°		INCH (MM)		SHEET 1 OF 1		SIZE B		SCALE 15:1		THIRD ANGLE PROJECTION 	
TACT SWITCH		DATE 06/30/05		DRAWING NO. AMP/PCFGVTR		REV B					

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HATCHED AREA SHOWS SOLDERING LAND

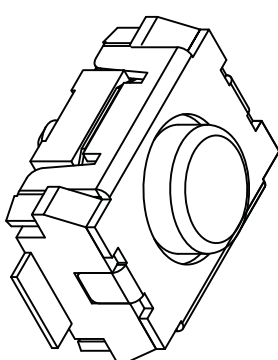
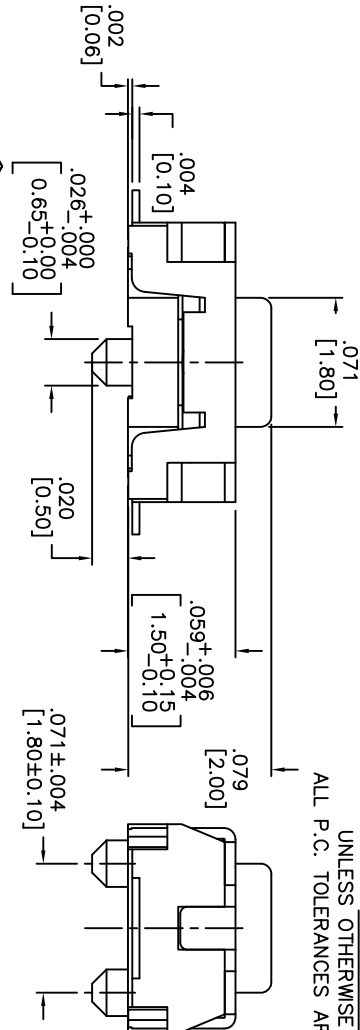
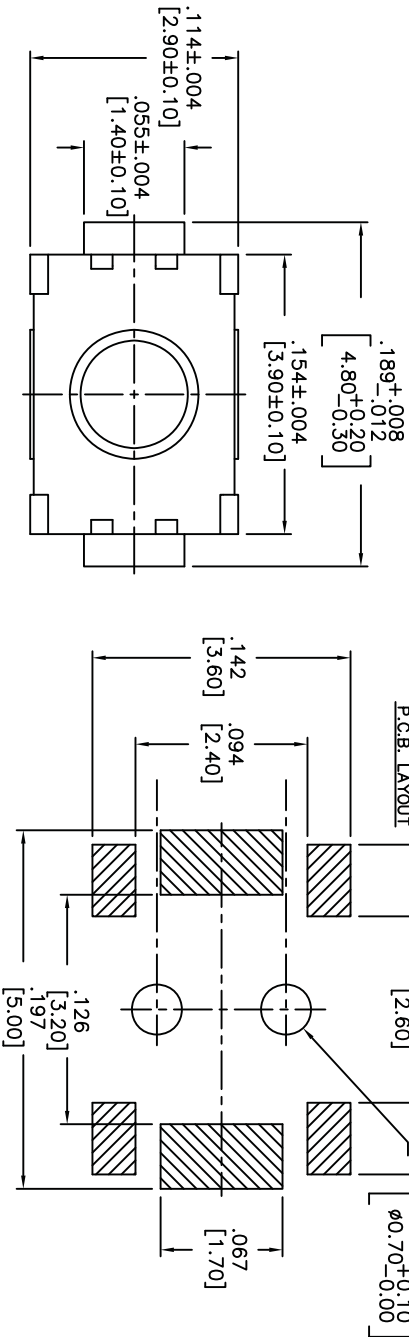
CIRCUIT

DATE	SYM	REVISION RECORD	DWN.	CK.
5/08	B	ECO# 778	CD	PD

DESCRIPTION: VERTICAL PUSH
MECHANICAL CONTACT SWITCH.
SPECIFICATIONS:
OPERATION FORCE: 160 ± 50 gf
STORAGE TEMP.: -25°C TO $+70^{\circ}\text{C}$.
OPERATION TEMP.: -30°C TO $+80^{\circ}\text{C}$.
ELECTRICAL LIFE: 100,000 CYCLES.
RATING: 50mA, 12VDC.
VIBRATION RESISTANCE: PASSES METHOD 201A
ML-STD-202F
SHOCK RESISTANCE: 50G PER METHOD 213B
ML-STD-202F
CONTACT RESISTANCE: 100m Ω MAX.
INSULATION RESISTANCE: 100M Ω MIN. AT 100VDC.
DIELECTRIC STRENGTH: 100VAC/1 MINUTE.
CONTACT ARRANGEMENT: 1 POLE 1 THROW.
MATERIALS:
COVER: STAINLESS STEEL
BASE: LCP HIGH-TEMP. THERMOPLASTIC.
COLOR: WHITE.
STEM: LCP HIGH-TEMP. THERMOPLASTIC.
COLOR: BLACK.
CONTACT DISK: STAINLESS STEEL
WITH SILVER CLADDING
TERMINAL: BRASS WITH SILVER PLATING
TAPE: TEFLON.
TAPE & REEL PACKAGING, 2,000 PER REEL
SOLDERING:
HAND SOLDERING: 30 WATT IRON AT 320°C FOR
2 SECONDS
IR REFLOW: 240°C MAX
ROHS COMPLIANT

Q.A. INSECT △		03 NASH RD. 101-8355 101-878-372-1802 101-878-372-3534		DRN. BRN.	CJD
DESIGNATES CRITICAL DIMENSION				CHK. BY:	PJD
TOLERANCES (EXCEPT AS NOTED) .X000±.02(0.5%) .X000±.008(0.20) .X000±.0008(0.02)	INCH (MM)	SHEET 1 OF 1	SIZE B	SCALE 15:1	THIRD ANGLE PROJECTION
TITLE VERTICAL PUSH TACT SWITCH					
DO NOT SCALE DRAWING	DATE 2/4/08	DRAWING NO. AMPITLGP2VTR		REV B	

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DATE	SYM	REVISION RECORD	DWN.	CK.
5/08	B	ECO# 778	CD	PD

DESCRIPTION: VERTICAL PUSH MECHANICAL CONTACT SWITCH.

SPECIFICATIONS:

OPERATION FORCE: $160\pm 50\text{gf}$

OPERATION TEMP.: -25°C TO $+70^{\circ}\text{C}$.

STORAGE TEMP.: -30°C TO $+80^{\circ}\text{C}$.

ELECTRICAL LIFE: 200,000 CYCLES.

RATING: 50ma, 12VDC.

VIBRATION RESISTANCE: PASSES METHOD 201A

MIL-STD-202F

SHOCK RESISTANCE: 50G PER METHOD 213B

MIL-STD-202F

CONTACT RESISTANCE: 100m Ω MAX.

INSULATION RESISTANCE: 100M Ω MIN. AT 100VDC.

DIELECTRIC STRENGTH: 100VAC/1 MINUTE.

CONTACT ARRANGEMENT: 1 POLE 1 THROW.

TRAVEL: $.005^{+.002}_{-.001}$ [0.13 $\pm$ 0.05]

MATERIALS:

COVER: STAINLESS STEEL

BASE: LCP HIGH-TEMP. THERMOPLASTIC.

COLOR, WHITE.

STEM: LCP HIGH-TEMP. THERMOPLASTIC.

COLOR, BLACK.

CONTACT DISK: STAINLESS STEEL

WITH SILVER CLADDING

TERMINAL: BRASS WITH SILVER PLATING

TAPE: TEFLON.

TAPE & REEL PACKAGING, 2,000 PER REEL

SOLDERING:

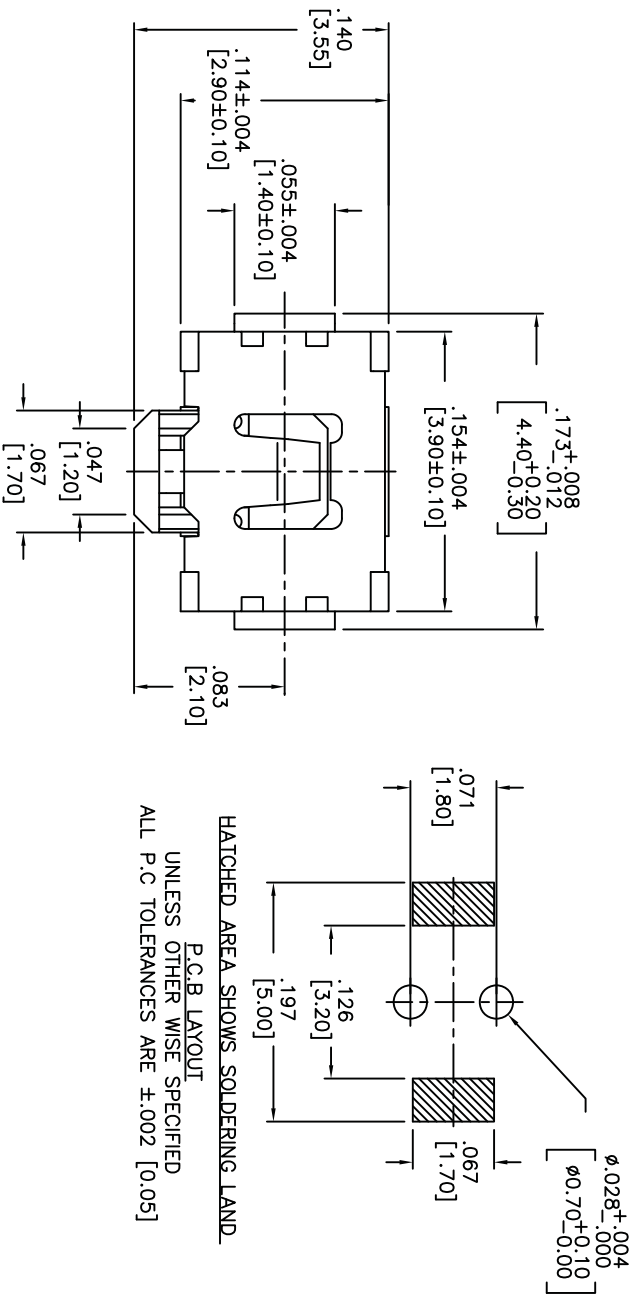
HAND SOLDERING: 30 WATT IRON AT 320°C FOR 2 SECONDS

IR REFLOW: 240°C MAX

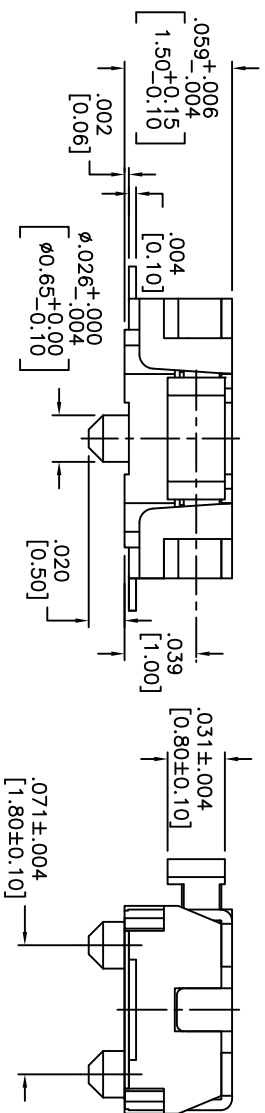
ROHS COMPLIANT

Q.A. INSPECT.	DESIGNATES CRITICAL DIMENSION	TOLERANCES (UNLESS AS NOTED)	ANGLE = 40.5°	DATE	DRAWING NO.	REV.
	63 Neck Rd. Torrington, CT 06801	$.XX=\pm.02$ [0.5] $.XXX=\pm.004$ [0.20] $.XXXX=\pm.0008$ [0.02]		6/30/05	AMPTCFGP2VTR	B
TITLE			THIRD ANGLE PROJECTION			
TACT SWITCH						

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HATCHED AREA SHOWS SOLDERING LAND
P.C.B LAYOUT
UNLESS OTHER WISE SPECIFIED
ALL P.C TOLERANCES ARE ± 0.02 [0.05]

CIRCUIT

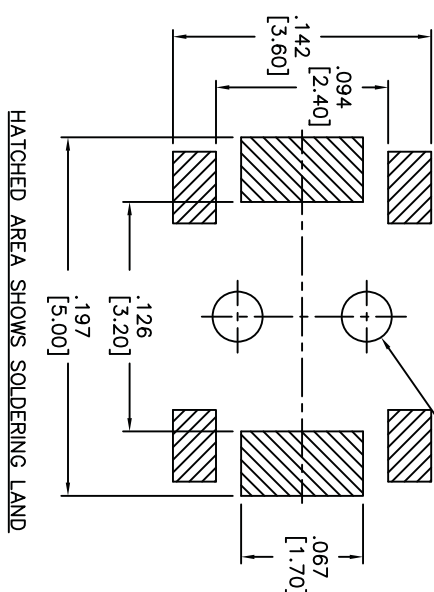
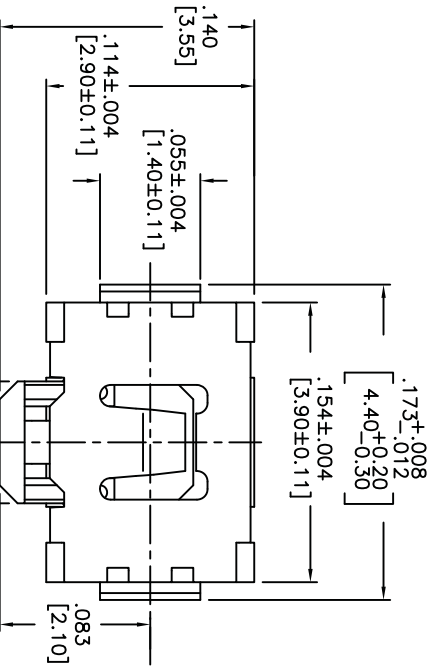
7		8	
DATE	SYM	REVISION RECORD	DNM. CK.
5/08	B	ECO# 778	CD PD

DESCRIPTION: SIDE PUSH
MECHANICAL CONTACT SWITCH,
SPECIFICATIONS:
OPERATION FORCE: 220± 65gf
STROKE: 0.2±0.19mm
OPERATION TEMP.: -25°C TO +70°C.
STORAGE TEMP.: -30°C TO +80°C.
ELECTRICAL LIFE: 100,000 CYCLES.
RATING: 50mA, 12VDC.
CONTACT RESISTANCE: 100mΩ MAX.
INSULATION RESISTANCE: 100MΩ MIN. AT 100VDC.
DIELECTRIC STRENGTH: 100VAC/1 MINUTE.
CONTACT ARRANGEMENT: 1 POLE 1 THROW.
VIBRATION TEST: PASSED METHOD 201A
MIL-STD-202F.
SHOCK TEST: 50G PER METHOD 213B CONDITION
A OF MIL-STD-202F
MATERIALS:
COVER: STAINLESS STEEL
BASE: LCP HIGH-TEMP. THERMOPLASTIC.
COLOR: WHITE.
STEM: LCP HIGH-TEMP. THERMOPLASTIC.
COLOR: BLACK.
CONTACT DISK: STAINLESS STEEL
WITH SILVER CLADDING
TERMINAL: BRASS WITH SILVER PLATING
PACKAGING: TAPE AND REEL
(3,500 PEICES PER REEL)
ROHS COMPLIANT
LEAD FREE SOLDERING COMPATIBLE
HAND SOLDERING: 320°C MAX WITH 30 WATT IRON
FOR 2 SECONDS
IR REFLOW: 260°C MAX

0A. INSPECT:				DESIGNATES OPTICAL DIMENSION	
		63 North RD. Haverhill, MA 01835 Tel: 978-372-1802 Fax: 978-372-8534		PRN: CJD BRN: CHK: PJD BY:	
TOLERANCES (except as noted) .XX(.XX)=.02(.03) .XXX(.XX)=.008(.010) .XXXX(.X)=.0008(.012) ANGLE = ±0.5°					
TITLE		INCH (MM)	SHEET 1 OF 1	SIZE B	SCALE 15:1
TACT SWITCH					
DATE	DRAWING NO.	REV			
5/2/06	AMP/TCFVTR	B			

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DATE	SYM	REVISION RECORD	DWN.	CK.
1/06	B	ECO# 526	CD	PD
5/06	C	ECO# 778	CD	PD



DESCRIPTION: SIDE PUSH MECHANICAL CONTACT SWITCH, WITH BENDING AND GROUNDING TERMINALS.

SPECIFICATIONS:

OPERATION FORCE: 220± 65gf

OPERATION TEMP.: -25°C TO +70°C.

STORAGE TEMP.: -30°C TO +80°C.

ELECTRICAL LIFE: 100,000 CYCLES.

RATING: 50mA, 12VDC.

VIBRATION RESISTANCE: PASSES METHOD 201A MIL-STD-202F

SHOCK RESISTANCE: 50G PER METHOD 213B MIL-STD-202F

CONTACT RESISTANCE: 100mΩ MAX.

INSULATION RESISTANCE: 100MΩ MIN. AT 100VDC.

DIELECTRIC STRENGTH: 100VAC/1 MINUTE.

CONTACT ARRANGEMENT: 1 POLE 1 THROW.

STROKE: .008 +.004 [0.2 +0.05]

MATERIALS:

COVER: STAINLESS STEEL

BASE: LCP HIGH-TEMP. THERMOPLASTIC.

COLOR: WHITE.

STEM: LCP HIGH-TEMP. THERMOPLASTIC.

COLOR: BLACK.

CONTACT DISK: STAINLESS STEEL

WITH SILVER CLADDING

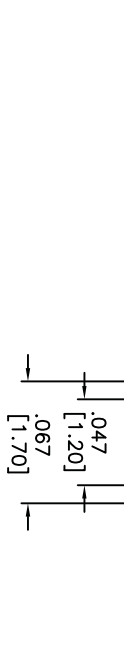
TERMINAL: BRASS WITH SILVER PLATING

TAPE: TEFLON, 3500 PER REEL

HAND SOLDERING: 30 WATT IRON AT 320°C FOR 2 SECONDS

IR REFLOW: 240°C MAX

RoHS COMPLIANT



DESCRIPTION: SIDE PUSH MECHANICAL CONTACT SWITCH, WITH BENDING AND GROUNDING TERMINALS.

SPECIFICATIONS:

OPERATION FORCE: 220± 65gf

OPERATION TEMP.: -25°C TO +70°C.

STORAGE TEMP.: -30°C TO +80°C.

ELECTRICAL LIFE: 100,000 CYCLES.

RATING: 50mA, 12VDC.

VIBRATION RESISTANCE: PASSES METHOD 201A MIL-STD-202F

SHOCK RESISTANCE: 50G PER METHOD 213B MIL-STD-202F

CONTACT RESISTANCE: 100mΩ MAX.

INSULATION RESISTANCE: 100MΩ MIN. AT 100VDC.

DIELECTRIC STRENGTH: 100VAC/1 MINUTE.

CONTACT ARRANGEMENT: 1 POLE 1 THROW.

STROKE: .008 +.004 [0.2 +0.05]

MATERIALS:

COVER: STAINLESS STEEL

BASE: LCP HIGH-TEMP. THERMOPLASTIC.

COLOR: WHITE.

STEM: LCP HIGH-TEMP. THERMOPLASTIC.

COLOR: BLACK.

CONTACT DISK: STAINLESS STEEL

WITH SILVER CLADDING

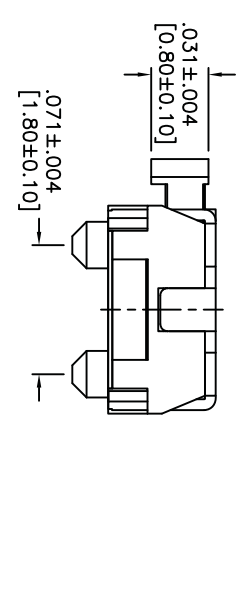
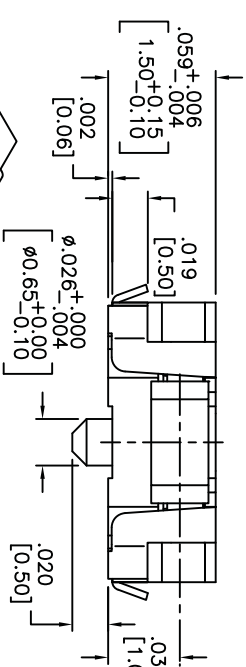
TERMINAL: BRASS WITH SILVER PLATING

TAPE: TEFLON, 3500 PER REEL

HAND SOLDERING: 30 WATT IRON AT 320°C FOR 2 SECONDS

IR REFLOW: 240°C MAX

RoHS COMPLIANT



DESCRIPTION: SIDE PUSH MECHANICAL CONTACT SWITCH, WITH BENDING AND GROUNDING TERMINALS.

SPECIFICATIONS:

OPERATION FORCE: 220± 65gf

OPERATION TEMP.: -25°C TO +70°C.

STORAGE TEMP.: -30°C TO +80°C.

ELECTRICAL LIFE: 100,000 CYCLES.

RATING: 50mA, 12VDC.

VIBRATION RESISTANCE: PASSES METHOD 201A MIL-STD-202F

SHOCK RESISTANCE: 50G PER METHOD 213B MIL-STD-202F

CONTACT RESISTANCE: 100mΩ MAX.

INSULATION RESISTANCE: 100MΩ MIN. AT 100VDC.

DIELECTRIC STRENGTH: 100VAC/1 MINUTE.

CONTACT ARRANGEMENT: 1 POLE 1 THROW.

STROKE: .008 +.004 [0.2 +0.05]

MATERIALS:

COVER: STAINLESS STEEL

BASE: LCP HIGH-TEMP. THERMOPLASTIC.

COLOR: WHITE.

STEM: LCP HIGH-TEMP. THERMOPLASTIC.

COLOR: BLACK.

CONTACT DISK: STAINLESS STEEL

WITH SILVER CLADDING

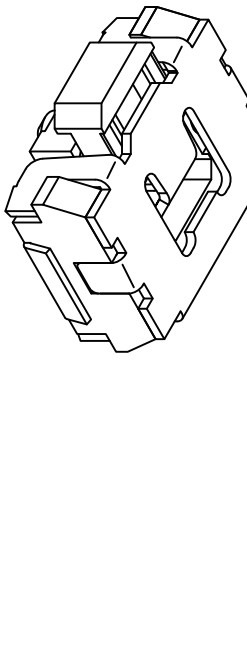
TERMINAL: BRASS WITH SILVER PLATING

TAPE: TEFLON, 3500 PER REEL

HAND SOLDERING: 30 WATT IRON AT 320°C FOR 2 SECONDS

IR REFLOW: 240°C MAX

RoHS COMPLIANT



DESCRIPTION: SIDE PUSH MECHANICAL CONTACT SWITCH, WITH BENDING AND GROUNDING TERMINALS.

SPECIFICATIONS:

OPERATION FORCE: 220± 65gf

OPERATION TEMP.: -25°C TO +70°C.

STORAGE TEMP.: -30°C TO +80°C.

ELECTRICAL LIFE: 100,000 CYCLES.

RATING: 50mA, 12VDC.

VIBRATION RESISTANCE: PASSES METHOD 201A MIL-STD-202F

SHOCK RESISTANCE: 50G PER METHOD 213B MIL-STD-202F

CONTACT RESISTANCE: 100mΩ MAX.

INSULATION RESISTANCE: 100MΩ MIN. AT 100VDC.

DIELECTRIC STRENGTH: 100VAC/1 MINUTE.

CONTACT ARRANGEMENT: 1 POLE 1 THROW.

STROKE: .008 +.004 [0.2 +0.05]

MATERIALS:

COVER: STAINLESS STEEL

BASE: LCP HIGH-TEMP. THERMOPLASTIC.

COLOR: WHITE.

STEM: LCP HIGH-TEMP. THERMOPLASTIC.

COLOR: BLACK.

CONTACT DISK: STAINLESS STEEL

WITH SILVER CLADDING

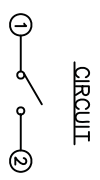
TERMINAL: BRASS WITH SILVER PLATING

TAPE: TEFLON, 3500 PER REEL

HAND SOLDERING: 30 WATT IRON AT 320°C FOR 2 SECONDS

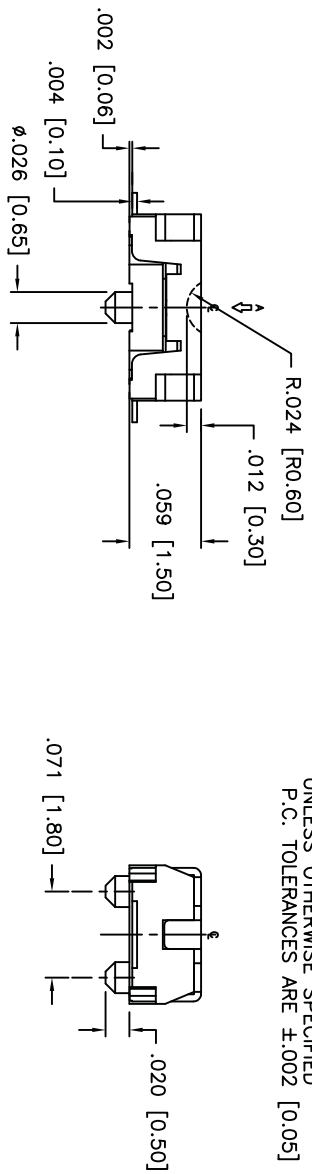
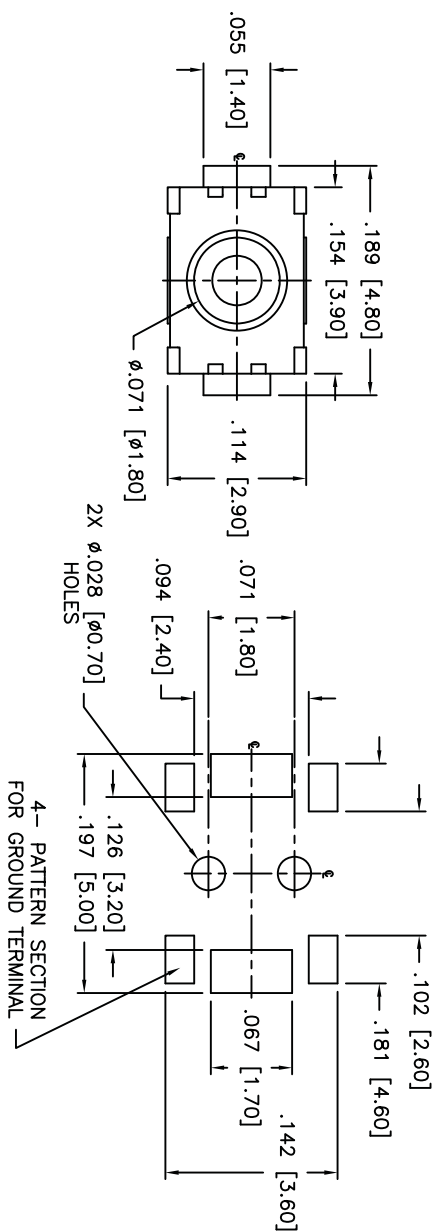
IR REFLOW: 240°C MAX

RoHS COMPLIANT



Q.A. INSPECT	DESIGNATES CRITICAL	TOLERANCES (UNLESS AS NOTED)	ANGLE = 40.5°
INCH	SHEET 1 OF 1	SIZE B	SCALE 15:1
TITLE	TACT SWITCH		
DATE	06/30/05	DRAWING NO.	AMPTCLGVTB
REV	C		

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DATE	SYM	REVISION RECORD	DMN.	CK.
1/06	A	ECO # 526	CD	PD
5/06	B	ECO# 778	CD	PD

DESCRIPTION: SPST, NORMALLY OPEN, MOMENTARY, SURFACE MOUNT TACT SWITCH WITH LOCATING PINS

SPECIFICATIONS:

CONTACT RATING: 50mA @ 12VDC

INITIAL CONTACT RESISTANCE: 100MOHMS MAX.

INSULATION RESISTANCE: 100MOHMS MIN. @ 500VDC

DIELECTRIC STRENGTH: 100VAC FOR 1 MINUTE

ELECTRICAL LIFE: 200,000 CYCLES MIN.

OPERATING TEMPERATURE RANGE: -25°C to +70°C

STOP STRENGTH: MAX 3kgf VERTICAL STATIC LOAD

CONT. FOR 15 SEC.

ACTUATION FORCE: 160± 50gf

STORAGE TEMPERATURE RANGE: -30°C TO +80°C

SHOCK RESISTANCE: 50G PER METHOD 213B, MIL-STD-202F

VIBRATION RESISTANCE: PASSES METHOD 201A, MIL-STD-202F

SOLDERING:

IR REFLOW: 240°C MAX.

HAND SOLDERING: 350°C MAX. FOR 3 SECONDS MAX. (30 WATT IRON MAX.)

MATERIALS:

BASE: LCP HIGH-TEMP THERMOPLASTIC UL94V-0

ACTUATOR: LCP HIGH-TEMP THERMOPLASTIC UL94V-0

COVER: STAINLESS STEEL

TERMINALS: SILVER PLATED BRASS

SHORTING CONTACT: STAINLESS STEEL WITH SILVER CLADDING

TAPE: TEFLON

RoHS COMPLIANT

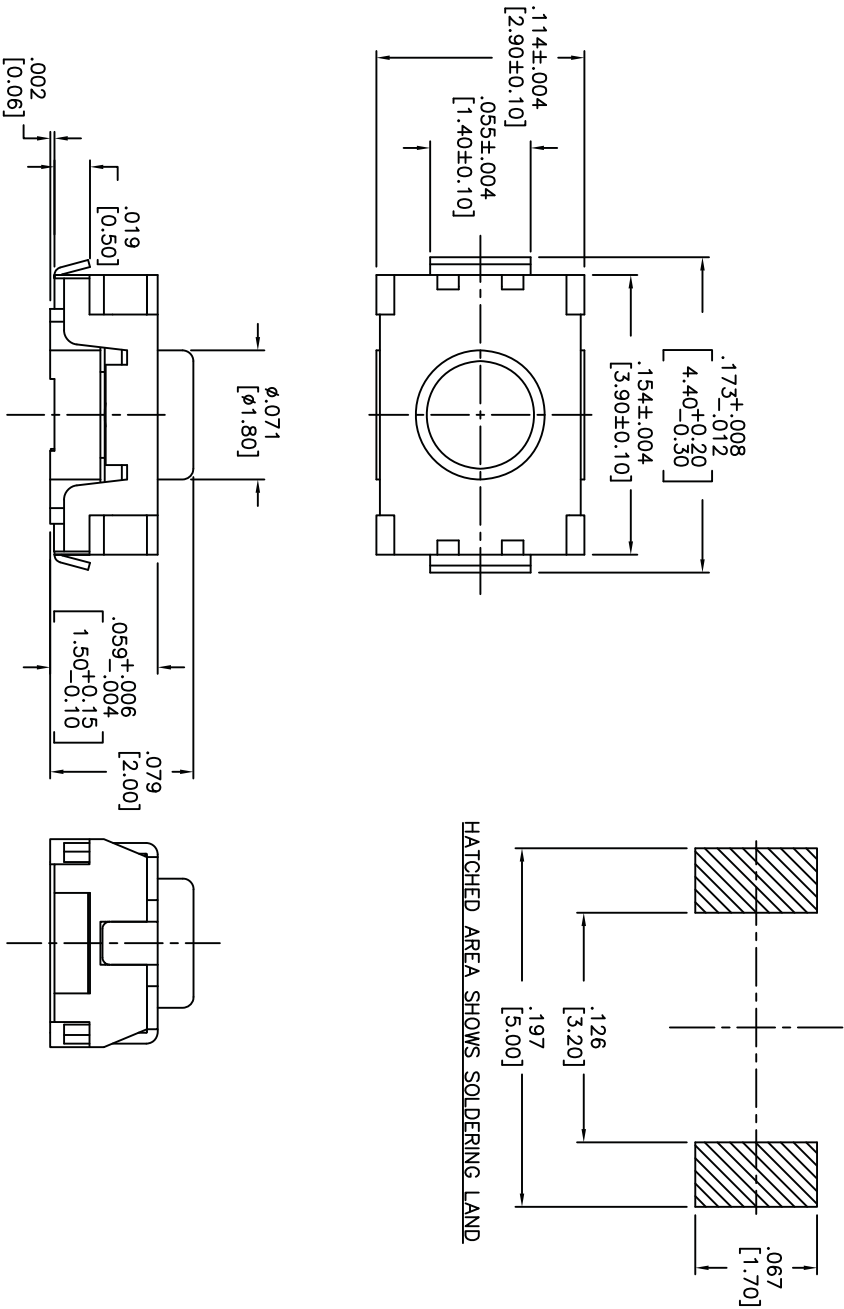
NOTE:

1. AFTER SOLDERING, RETURN SWITCHES TO NORMAL TEMPERATURE BEFORE WASHING.

Q.A. INSPECT.	DESIGNER'S INITIALS	DATE	DRAWING NO.	REV.
APPEM	63 Neck Rd. 01835 Haverhill, MA 01835 Tel: 978-372-3534 Fax: 978-372-3534	07/20/05	AMPTCFG1VTR	B
TITLE	SHEET	SIZE	SCALE	THIRD ANGLE PROJECTION
TACT SWITCH WITH LOCATING PINS	1 OF 1	B	10:1	
TOLERANCES (UNLESS OTHERWISE SPECIFIED)				
.XX±.XX [0.5]				
.XXX±.XXX [0.20]				
.XXXX±.XXXX [0.02]				
ANGLE = 30.5°				

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P.C.B. LAYOUT



DATE	SYM	REVISION RECORD	DWN.	CK.
1/06	A	ECO# 526	CD	PD
5/06	B	ECO# 778	CD	PD

DESCRIPTION: VERTICAL PUSH MECHANICAL CONTACT SWITCH.

SPECIFICATIONS:

OPERATION FORCE: 220 $\pm$ 65gf

OPERATION TEMP.: -25°C TO +70°C.

STORAGE TEMP.: -30°C TO +80°C.

ELECTRICAL LIFE: 200,000 CYCLES.

RATING: 50mA, 12VDC.

VIBRATION RESISTANCE: PASSES METHOD 201A

MIL-STD-202F

SHOCK RESISTANCE: 50G PER METHOD 213B

MIL-STD-202F

CONTACT RESISTANCE: 100m Ω MAX.

INSULATION RESISTANCE: 100M Ω MIN. AT 100VDC.

DIELECTRIC STRENGTH: 100VAC/1 MINUTE.

CONTACT ARRANGEMENT: 1 POLE 1 THROW.

MATERIALS:

COVER: STAINLESS STEEL

BASE: LCP HIGH-TEMP. THERMOPLASTIC.

COLOR, WHITE.

STEM: LCP HIGH-TEMP. THERMOPLASTIC.

COLOR, BLACK.

CONTACT DISK: STAINLESS STEEL

WITH SILVER CLADDING

TERMINAL: BRASS WITH SILVER PLATING

TAPE: TEFLON.

TAPE & REEL PACKAGING, 2,000 PER REEL

SOLDERING:

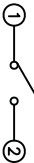
HAND SOLDERING: 30 WATT IRON AT 320°C FOR

2 SECONDS

IR REFLOW: 240°C MAX

RoHS COMPLIANT

LEAD FREE PROCESS COMPATIBLE

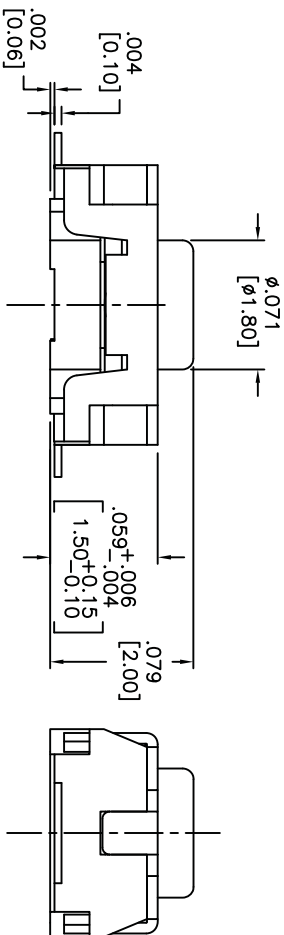
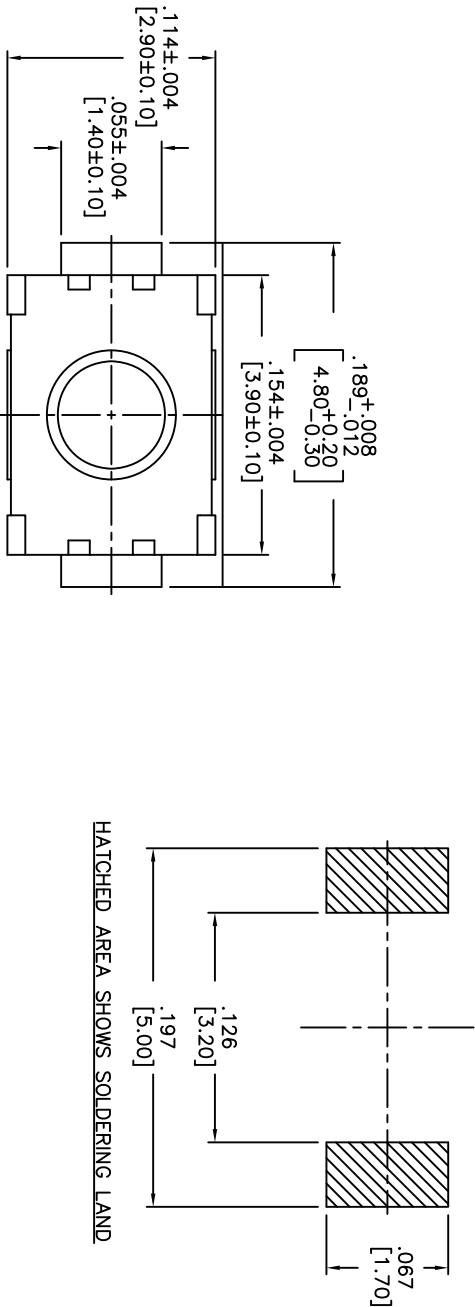


CIRCUIT

Q.A. INSPECT.		DESIGNATES CRITICAL.		TOLERANCES (UNLESS AS NOTED)		TITLE		DATE		DRAWING NO.		REV.	
APDM		63 Neck Rd. Haverhill, MA 01830		100X=±0.04 [0.20]		TACT		01/23/06		AMPTLP2VTR		B	
1000X=±0.008 [0.02]		100X=±0.004 [0.20]		1 OF 1		SWITCH							
ANGLE = 40.5°		SIZE		B		SCALE							
DO NOT SCALE DRAWING		15:1		THIRD ANGLE PROJECTION									

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P.C.B. LAYOUT



DATE	SYM	REVISION RECORD	DWN.	CK.
5/08	B	ECO# 778	CD	PD

DESCRIPTION: VERTICAL PUSH MECHANICAL CONTACT SWITCH.

SPECIFICATIONS:

OPERATION FORCE: 160 ± 50gf

OPERATION TEMP.: -25°C TO +70°C.

STORAGE TEMP.: -30°C TO +80°C.

ELECTRICAL LIFE: 200,000 CYCLES.

RATING: 50mA, 12VDC.

VIBRATION RESISTANCE: PASSES METHOD 201A

MIL-STD-202F

SHOCK RESISTANCE: 50G PER METHOD 213B

MIL-STD-202F

CONTACT RESISTANCE: 100mΩ MAX.

INSULATION RESISTANCE: 100MΩ MIN. AT 100VDC.

DIELECTRIC STRENGTH: 100VAC/1 MINUTE.

CONTACT ARRANGEMENT: 1 POLE 1 THROW.

MATERIALS:

COVER: STAINLESS STEEL

BASE: LCP HIGH-TEMP. THERMOPLASTIC.

COLOR, WHITE.

STEM: LCP HIGH-TEMP. THERMOPLASTIC.

COLOR, BLACK.

CONTACT DISK: STAINLESS STEEL

WITH SILVER CLADDING

TERMINAL: BRASS WITH SILVER PLATING

TAPE: TEFLON.

TAPE & REEL PACKAGING, 2,000 PER REEL

SOLDERING:

HAND SOLDERING: 30 WATT IRON AT 320°C FOR

2 SECONDS

IR REFLOW: 260°C MAX

RoHS COMPLIANT

LEAD FREE PROCESS COMPATIBLE



CIRCUIT

Q.A. INSPECT				P.R.N. C.J.D	
DESIGNATES CRITICAL				B.R. P.J.D	
TOLERANCES (UNLESS OTHERWISE SPECIFIED)				THIRD ANGLE PROJECTION	
X.XX ± 0.02 [0.5]				1 OF 1	
X.XX ± 0.004 [0.20]				B	
X.XXX ± 0.0008 [0.02]				15:1	
ANGLE = 40.5°				DRAWING NO. AMPTFP2VTR	
DO NOT SCALE				REV B	
DATE 01/23/06				DRAWING NO. AMPTFP2VTR	